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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A display device comprising:

- a display;
- a display controller;
- a first means for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and
- a second means not for dividing one frame period into a plurality of subframe periods, for setting one of lighting and non-lighting to the one frame period, for expressing 1-bit gradation in accordance with a total lighting time during the one frame period[[,]] and for having a longer frame period as compared to the one frame period for expressing n-bits gradation for operating the display with a lower clock frequency and a lower driving voltage than the first means,

wherein the first and second means are controlled by the display controller.

- (Currently Amended) A display device comprising:
- a display;
- a display controller;
- a first means for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and
- a second means not for dividing one frame period into a plurality of subframe periods, for setting one of lighting and non-lighting to the one frame period, for expressing 1-bit gradation in accordance with a total lighting time during the one frame period, [[and]] for having a longer

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frame period as compared to the one frame period for expressing n-bits gradation and <u>for</u> operating the display with a lower clock frequency and a lower driving-voltage than the first means.

wherein the first and second means are controlled by the display controller.

(Original) A display device according to claim 1.

wherein the display device further comprises a frame memory;

n-bits data (n is a natural number of two or more) is written and read out to perform a display operation in the first means; and

1-bit data is written and read out to perform a display operation in the second means.

(Original) A display device according to claim 2,

wherein the display device further comprises a frame memory;

n-bits data (n is a natural number of two or more) is written and read out to perform a display operation in the first means; and

1-bit data is written and read out to perform a display operation in the second means.

5. (Original) A display device according to claim 1,

wherein the display device further comprises a light emitting element for each pixel;

a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first means is higher than a voltage applied to the light emitting element in the second means.

(Original) A display device according to claim 2,

wherein the display device further comprises a light emitting element for each pixel;

a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first means is higher than a voltage applied to the light emitting element in the second means.

7. (Original) A display device according to claim 1,

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> wherein the display device further comprises a light emitting element for each pixel; a specific current is supplied to the light emitting element; and

a current supplied to the light emitting element in the first means is larger than a current supplied to the light emitting element in the second means.

(Original) A display device according to claim 2.

wherein the display device further comprises a light emitting element for each pixel; a specific current is supplied to the light emitting element; and

a current supplied to the light emitting element in the first means is larger than a current supplied to the light emitting element in the second means.

(Original) A display device according to claim 1.

wherein the one frame period of the first means is composed of three periods of a write-in period, a display period, and an erasing period.

10. (Original) A display device according to claim 2,

wherein the one frame period of the first means is composed of three periods of a write-in period, a display period, and an erasing period.

11. (Original) A display device according to claim 1,

wherein the display controller operates at a lower voltage in the second means as compared to in the first means.

12. (Original) A display device according to claim 2,

wherein the display controller operates at a lower voltage in the second means as compared to in the first means.

(Currently Amended) A display device comprising:

a display;

a display controller:

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a first means for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and

a second means <u>not</u> for dividing one frame period into a plurality of subframe periods, <u>for</u> [[and]] setting one of lighting and non-lighting to each of the plurality of subframe periods the <u>one frame period</u>, for expressing [[m-bits]] <u>1-bit</u> gradation (m-is-a-natural number less than n) in accordance with a total lighting time during the one frame period, <u>for having a longer frame</u> <u>period as compared to the one frame period for expressing n-bits gradation</u> and for operating the display at a <u>lower clock frequency and</u> a lower driving voltage than the first means.

wherein the first and second means are controlled by the display controller.

14. (Currently Amended) A display device according to claim 13,

wherein the display device further comprises a frame memory; n-bits data (n is a natural number of two or more) is written and read out to perform a

display operation in the first means; and

[[m-bits]] <u>1-bit</u> data (m is a natural number less than n) is written and read out to perform a display operation in the second means.

(Original) A display device according to claim 13,

wherein the display device further comprises a light emitting element for each pixel;

a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first means is higher than a voltage applied to the light emitting element in the second means.

(Original) A display device according to claim 13,

wherein the display device further comprises a light emitting element for each pixel;

a specific current is supplied to the light emitting element; and

a current supplied to the light emitting element in the first means is larger than a current supplied to the light emitting element in the second means.

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(Original) A display device according to claim 13,

wherein the one frame period of the first means is composed of three periods of a write-in period, a display period, and an erasing period.

- 18. (Canceled).
- (Original) A display device according to claim 13,

wherein the display controller operates at a lower voltage in the second means as compared to in the first means.

 (Currently Amended) A method of driving a display device having a display and a display controller,

comprising:

a first display mode for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and

a second display mode not for dividing one frame period into a plurality of subframe periods, [[and]] for setting one of lighting and non-lighting to the one frame period, for expressing 1-bit gradation in accordance with a total lighting time during the one frame period[[,]] and for having a longer frame period than the first display mode for operating the display at a lower clock frequency and a lower driving voltage than the first display mode,

wherein the first and second display modes are controlled by the display controller.

 (Currently Amended) A method of driving a display device having a display and a display controller, comprising:

a first display mode for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for

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expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and

a second display mode not for dividing one frame period into a plurality of subframe periods, for setting one of lighting and non-lighting to the one frame period, for expressing 1-bit gradation in accordance with a total lighting time during the one frame period, [[and]] for having a longer frame period than the first display mode and for operating the display at a lower clock frequency and a lower driving voltage than the first display mode,

wherein the first and second display modes are controlled by the display controller.

22. (Original) A method of driving a display device according to claim 20, wherein the display device further comprises a frame memory:

n-bits data (n is a natural number of two or more) is written and read out to perform a display operation in the first display mode; and

1-bit data is written and read out to perform a display operation in the second display mode.

 (Original) A method of driving a display device according to claim 21, wherein the display device further comprises a frame memory;

n-bits data (n is a natural number of two or more) is written and read out to perform a display operation in the first display mode; and

1-bit data is written and read out to perform a display operation in the second display mode.

24. (Original) A method of driving a display device according to claim 20, wherein the display device further comprises a light emitting element for each pixel; a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first display mode is higher than a voltage applied to the light emitting element in the second display mode.

25. (Original) A method of driving a display device according to claim 21,

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wherein the display device further comprises a light emitting element for each pixel; a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first display mode is higher than a voltage applied to the light emitting element in the second display mode.

- 26. (Original) A method of driving a display device according to claim 20, wherein the display device further comprises a light emitting element for each pixel; a specific current is supplied to the light emitting element; and a current supplied to the light emitting element in the first display mode is larger than a
- a current supplied to the light emitting element in the first display mode is larger than a current supplied to the light emitting element in the second display mode.
 - 27. (Original) A method of driving a display device according to claim 21, wherein the display device further comprises a light emitting element for each pixel; a specific current is supplied to the light emitting element; and a current supplied to the light emitting element in the first display mode is larger than a
- 28. (Original) A method of driving a display device according to claim 20,

current supplied to the light emitting element in the second display mode.

- wherein the first display mode is composed of three periods of a write-in period, a display period, and an erasing period.
- (Original) A method of driving a display device according to claim 21, wherein the first display mode is composed of three periods of a write-in period, a display period, and an erasing period.
- 30. (Original) A method of driving a display device according to claim 20, wherein the display controller operates at a lower voltage in the second display mode as compared to in the first display mode.
 - 31. (Original) A method of driving a display device according to claim 21,

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wherein the display controller operates at a lower voltage in the second display mode as compared to in the first display mode.

 (Currently Amended) A method of driving a display device having a display and a display controller, comprising;

a first display mode for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods, and for expressing n-bits gradation (n is a natural number of two or more) in accordance with a total lighting time during the one frame period; and

a second display mode <u>not</u> for dividing one frame period into a plurality of subframe periods and setting one of lighting and non-lighting to each of the plurality of subframe periods the one frame period, for expressing [[m-bits]] <u>1-bit</u> gradation (m is a natural number less than n) in accordance with a total lighting time during the one frame period, <u>for</u> having a longer frame period than the first display mode and for operating the display at a lower clock frequency and a lower driving voltage than the first display mode.

wherein the first and second display modes are controlled by the display controller.

 (Original) A method of driving a display device according to claim 32, wherein the display device further comprises a frame memory;

n-bits data (n is a natural number of two or more) is written and read out to perform a display operation in the first display mode; and

1-bit data is written and read out to perform a display operation in the second display mode.

34. (Original) A method of driving a display device according to claim 32, wherein the display device further comprises a light emitting element for each pixel; a specific voltage is applied to the light emitting element; and

a voltage applied to the light emitting element in the first display mode is higher than a voltage applied to the light emitting element in the second display mode.

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35. (Original) A method of driving a display device according to claim 32, wherein the display device further comprises a light emitting element for each pixel; a specific current is supplied to the light emitting element; and a current supplied to the light emitting element in the first display mode is larger than

a current supplied to the light emitting element in the first display mode is larger than a current supplied to the light emitting element in the second display mode.

36. (Original) A method of driving a display device according to claim 32, wherein the first display mode is composed of three periods of a write-in period, a display period, and an erasing period.

- 37. (Canceled).
- 38. (Original) A method of driving a display device according to claim 32, wherein the display controller operates at a lower voltage in the second display mode as compared to in the first display mode,
- 39. (Original) A display device according to claim 1, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a television, a head mounted display and a video camera.
- 40. (Original) A display device according to claim 2, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a tolevision, a head mounted display and a video camera.
- 41. (Original) A display device according to claim 13, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a television, a head mounted display and a video camera.

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42. (Original) A method of driving a display device according to claim 20, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a television, a head mounted display and a video camera.

- 43. (Original) A method of driving a display device according to claim 21, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a television, a head mounted display and a video camera.
- 44. (Original) A method of driving a display device according to claim 32, wherein the display device is used in an electronic equipment selected from the group consisting of a portable information terminal, a personal computer, an image reproducing device, a television, a head mounted display and a video camera.